MAKE AND MODEL No. _____

MACHINE TYPE _____

If an MSHA Part 36 approval plate has been affixed to this machine, it must meet the requirements of Port 36, Title 30, Code of Federal Regulations. It is the responsibility of the user to ensure that this machine is maintained in permissible condition in accordance with this checklist.

ALL INSPECTIONS AND TESTS SHALL BE PERFORMED IN FRESH AIR.

Note: All inspections must be performed weekly unless otherwise specified to comply with 30 CFR 75,1914(F)(I). The location of items marked with an asterisk can be found on the machine layout, Figure 3.

Permissibility

1. For a complete permissibility evaluation, this checklist must be used in conjunction with a power system checklist and an electrical system checklist.
2. Due to braking capability limitations, this machine shall not be operated on grades greater than 20 percent.
3. The approval plate specifies a ventilation rate of 5,500 cfm.

A. Fuel System

1. ( ) There are no fuel leaks.
2. ( ) The fuel filler cap* is vented and the vent is not plugged. See Figure 1.
3. ( ) The fuel filler cop* is self-closing and is attached to the tonk in a manner which will prevent loss during refueling.
4. ( ) Auxiliary fuel tank capacity has not been added to the vehicle.
5. ( ) Fuel filters are properly installed and are not damaged.
6. ( ) The fuel injection rate adjustment mechanism and the engine governor setting are locked and sealed. See Figure 2.
7. ( ) The fuel shut-off valve* in the fuel supply line is operable.

8. ( ) The drain plug* in the fuel tank is locked in position. (Pipe plugs are considered "locked in position" when tight.)
9. ( ) Fuel lines ore not routed near or connected to hot exhaust components and are protected from external damage.
10. ( ) Fuel lines are secured.

B. Braking System

Warning : Broke tests are to be conducted on a relatively level surface, away from traffic areas where other machines or persons may be moving about. Consider the possible consequences of testing a machine with assumed braking inadequacies and select on area where the test machine would not cause on accident due to these inadequacies.

1. ( ) Service brake test.
   a. Turn the brake test-switch to the test position. Switch is located on top of the controller case.
   b. With the engine operating at full throttle and the machine stationary, apply the service brake.
   C. Release all other brakes.
   d. Fully depress the accelerator in the forward direction.
   e. Fully depress the accelerator in the reverse direction.

   If the service brake is operating satisfactorily, the shuttle car will not move during the above procedure. If movement is detected, the service brake must be repaired.
2. ( ) Parking broke test.
   a. Turn the brake test-switch to the test position. Switch is located on top of the controller case.
   b. With the engine operating at full throttle and the machine stationary, apply the parking brake.
   C. Release all other brakes.
   d. Fully depress the accelerator in the forward direction.
   e. Fully depress the accelerator in the reverse direction.

   If the parking brake is operating satisfactorily, the shuttle car will not move during the above procedure. If movement is detected, the parking brake must be repaired.

C. Miscellaneous

1. ( ) The machine is equipped with at least one 5 lb. dry chemical fire extinguisher*. All fire extinguishers are fully charged.

2. ( ) For machines equipped with o fire suppression system, the fire suppression system is operable as determined by the following checks. Note: These tests are not required to be performed weekly.

   a. Note general appearance of system components for mechanical damage or corrosion.

   b. Check nameplate(s) far readability.

   c. Remove fill cap.

   d. Make certain tank is filled with free-flowing dry chemical to a level of not more than 3 inches from the bottom of the fill opening.

   e. Secure fill cap, hand tighten,

   f. Remove expellant gas cartridge and examine disc - seal should not be ruptured.

   g. Return cartridge to pneumatic actuator/cartridge receiver, hand tighten, and secure in bracket.

   l. Check nozzle openings - slot on nozzle should be closed (capped) with silicone grease or covered with plastic blow-off cap.

   i Remove cartridge from manual actuator(s) and examine disc - seal should not be ruptured.

   k. Return cartridge to manual actuator assembly, hand tighten.

   l. Replace any broken or missing lead and wire seals.

3. ( ) The machine has an MSHA Part 36 approval plate attached to it in the operator's compartment.

4. ( ) With the accelerator depressed and the engine running, switch the tram direction switch from off to on. The car must not move.

5. ( ) The cooling fan air flow is diluting the exhaust gas.

FIGURE 1
SELF-CLOSING FUEL CAP

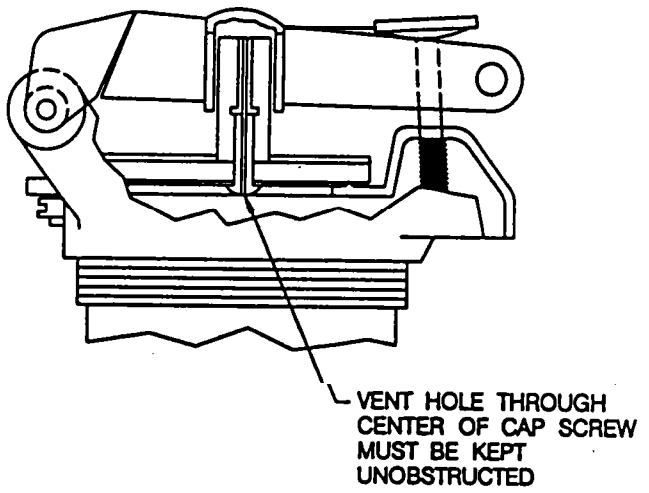
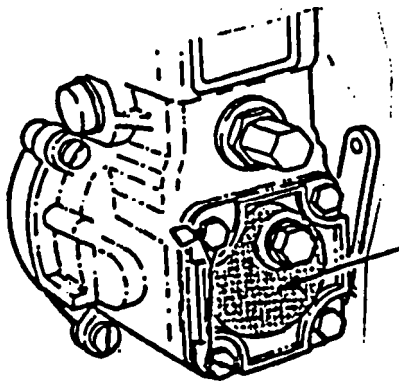


FIGURE 2
INJECTION PUMP WITH GOVERNOR



NEXT ASSEMBLY: GA465D-1

1 REVISIONS:

(A) ECN 3315 11/15/97
(B) ECN 3369 09/22/97
(C) ECN 3375 10/24/97
(D) KB CORRECTION 4/16/98

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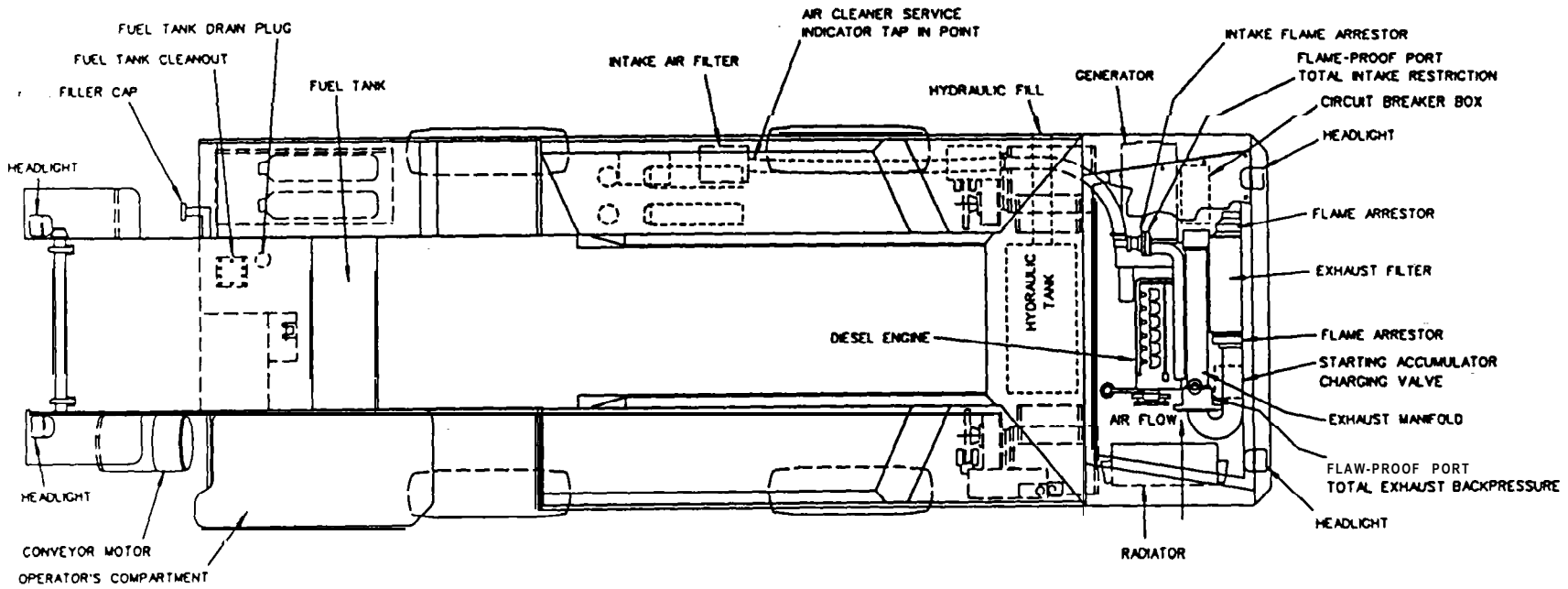

FIGURE 3
MACHINE LAYOUT

NEXT ASSEMBLY: GA465D-1

REVISIONS
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